INTERNATIONAL SEARCH REPORT	International application No.		
	PCT/JP2004/016493		
A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ F16J15/32, F16C19/52, F16C33/	78, GOlP3/487, B60B35/18		
According to International Patent Classification (IPC) or to both national	classification and IPC		
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification system followed by classifi	ussification symbols) 00		
	nt that such documents are included in the fields searched Esuyo Shinan Toroku Koho 1996-2005 roku Jitsuyo Shinan Koho 1994-2005		
Electronic data base consulted during the international search (name of d	ata base and, where practicable, search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category Ciration of document, with indication, where app	propriate, of the relevant passages Relevant to claim No.		
Y JP 1-316519 A (SKF GmbH.), 21 December, 1989 (21.12.89), Page 2, lower right column, 1: upper right column, line 7; F: & US 4946296 A Column 2, line 41 to column 3 & DE 3809904 A1 & FR & IT 1232592 B	ig. 1		
Further documents are listed in the continuation of Box C. See patent family annex.			
"A" document dofining the general state of the art which is not considered to be of particular relevance "E" carlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is	"T" later document published after the international filing date or priority date and not in conflict with the application but ofted to understand the principle or theory underlying the invention. "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone. "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family		
Date of the actual completion of the international search OB March, 2005 (08.03.05)	Data of mailing of the international search report 22 March, 2005 (22.03.05)		
Name and mailing address of the ISA/ Japanese Patent Office	Authorized officer		
Facsimile No. Form PCT/ISA/210 (second sheet) (January 2004)	Telephone No.		

INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/01649

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT				
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¥	JP 2002-543357 A (SKF France), 17 December, 2002 (17.12.02), Par. Nos. [0031] to [0043], [0049] to [0043], Figs. 1, 3 & US 6655844 B1 Column 3, line 59 to column 5, line 44; column 6, lines 28 to 55 & EP 1173772 A & WO 2000/067038 & FR 2792979 A1		1-7	
Y	JP 2002-54647 A (Koyo Seiko Co., Ltd., K Shiringu Tekuno Kabushiki Kaisha), 20 February, 2002 (20.02.02), Claim 1; Par. Nos. [0042] to [0068]; Figs & US 2002/18606 A1 Figs. 2, 5 & US 2003/59140 A1 Figs. 2, 5		2,3,5,6	
Y	JP 2002-327847 A (Koyo Seiko Co., Ltd.), 20 February, 2002 (20.02.02), Claim 1; Figs. 2 to 4 (Family: none)		2,3,5,6	